

FIG. 1A, PRIOR ART

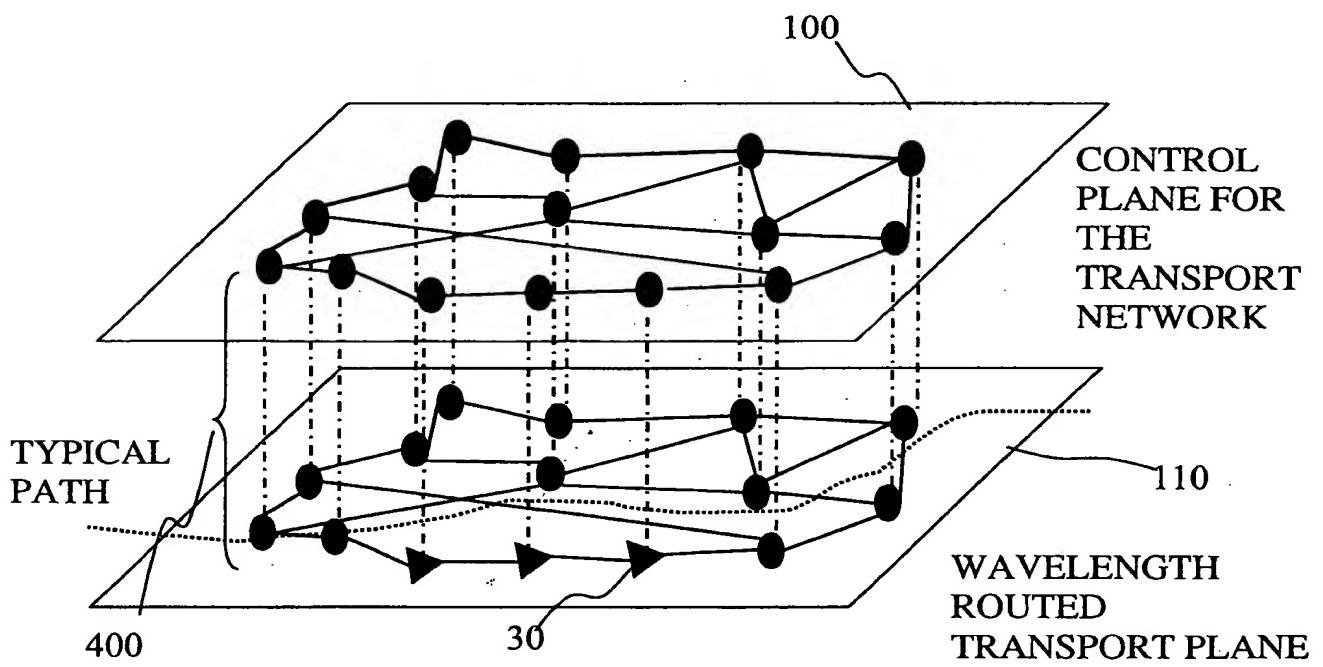


FIG. 1B, PRIOR ART

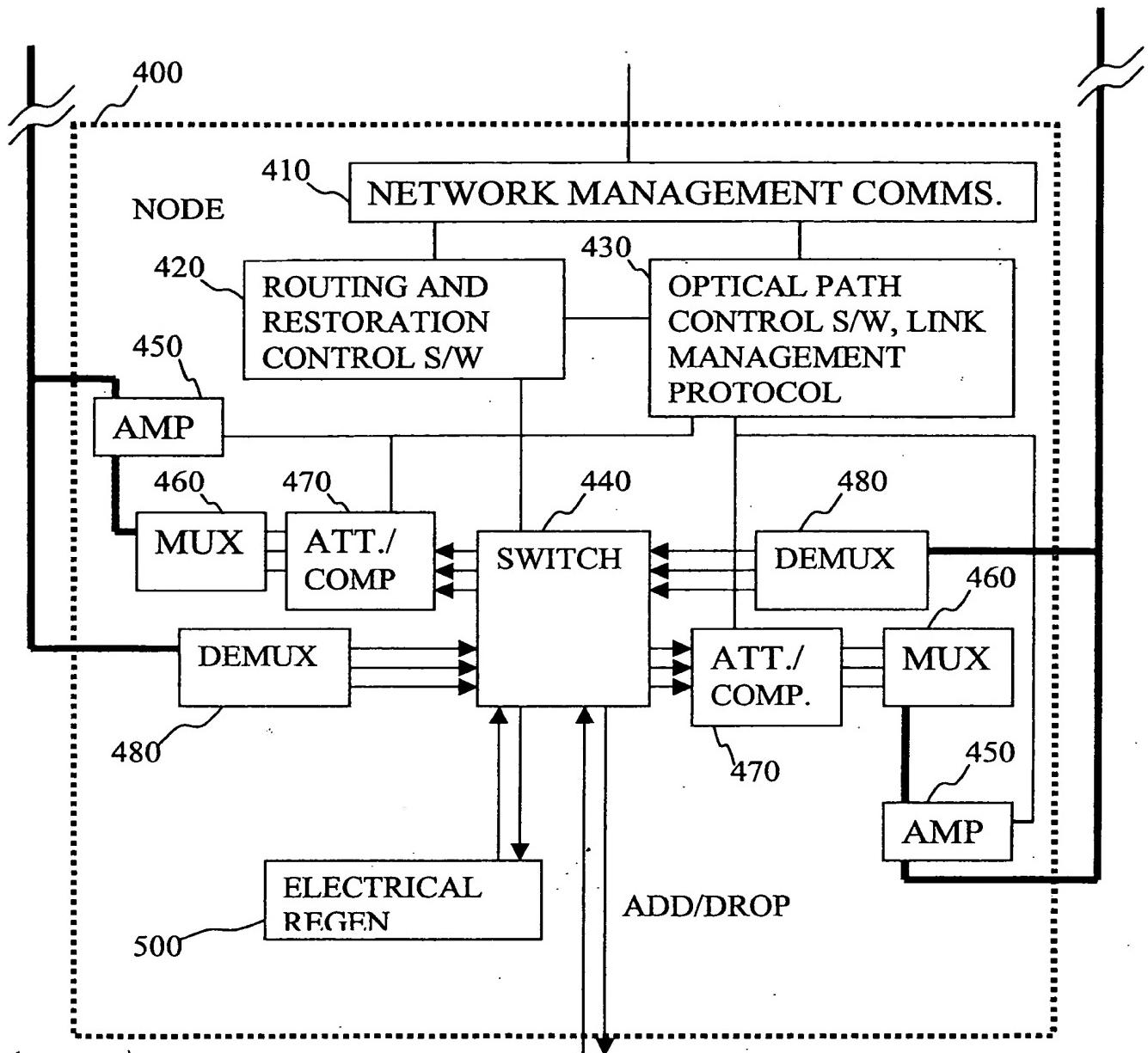


FIG. 2, PRIOR ART, OVERALL SCHEMATIC VIEW OF A NODE FOR USE IN THE WAVELENGTH ROUTED MESH NETWORK OF FIG. 1A OR 1B.

FIG. 3

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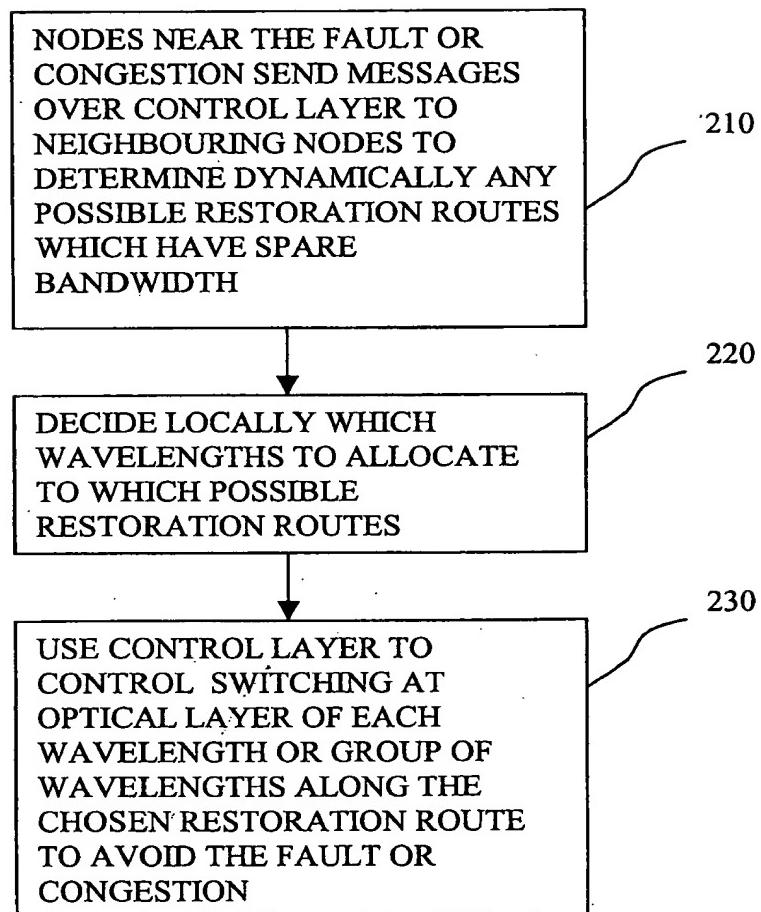


FIG. 4

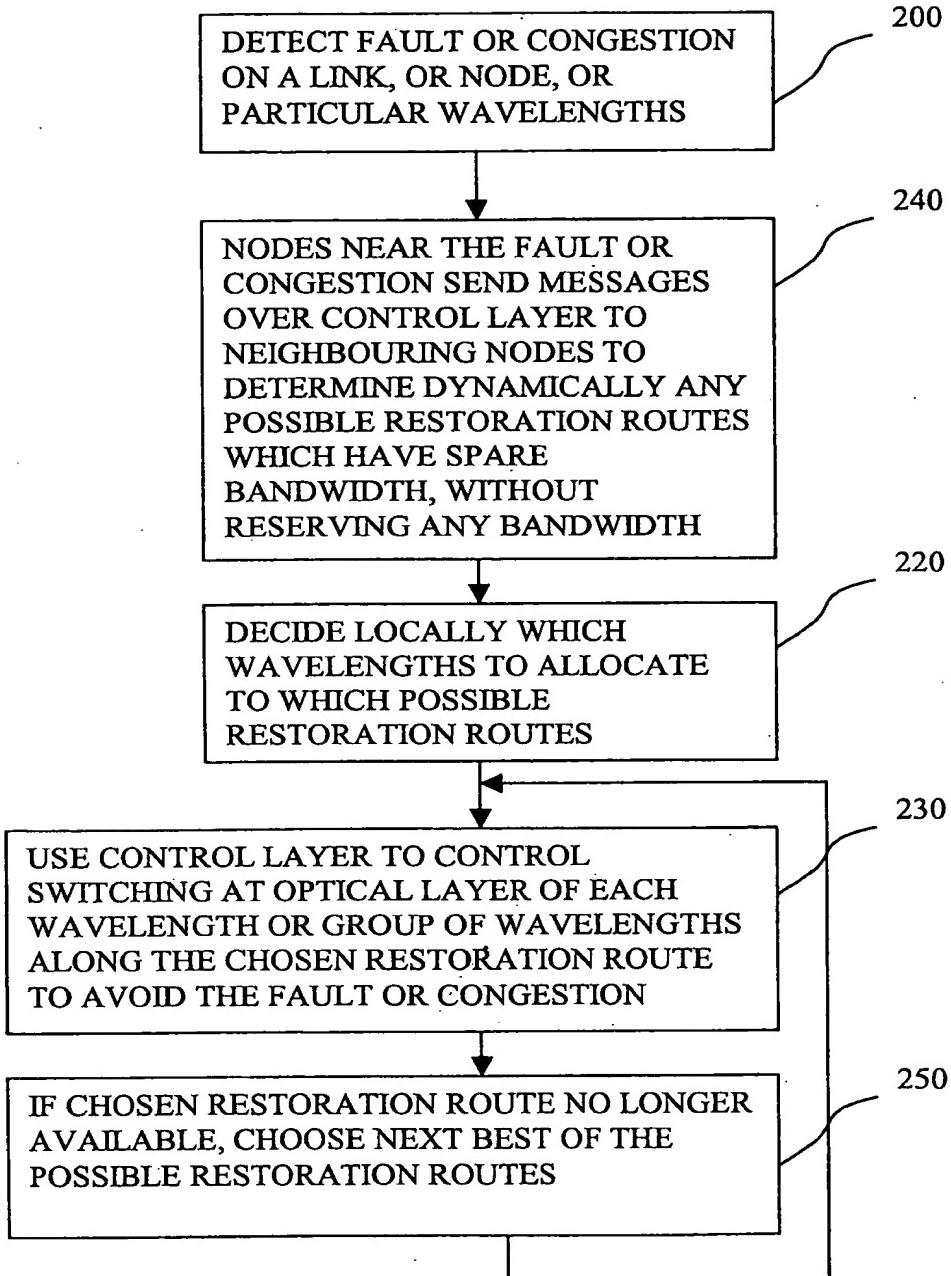
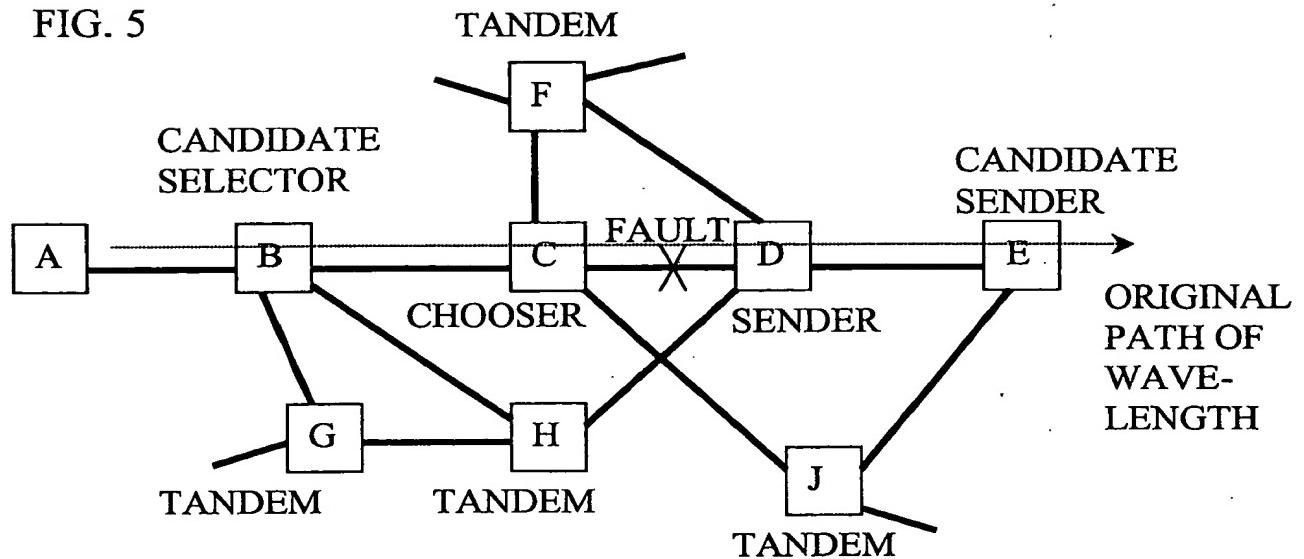


FIG. 5



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ROUTE	SPARE WAVE-LENGTHS	DISPERSION	LOSS	SNR
ABGHDE	BG=3 GH=4 HD=7	BG=10 GH=5 HD=2	BG=1.3 GH=4.1 HD=2.3	BG=4 GH=3 HD=2
ABCFDE	CF=1 FD=10	CF=1 FD=3	CF=4.1 FD=3.0	CF=5 FD=10
ABCJE	CJ=4 JE=3	CJ=4 JE=3	CJ=1.1 JE=3.2	CJ=4 JE=3
ABHDE	BH=1 HD=2	BH=5 HD=6	BH=2.2 HD=4.3	BH=4 HD=5

FIG. 6

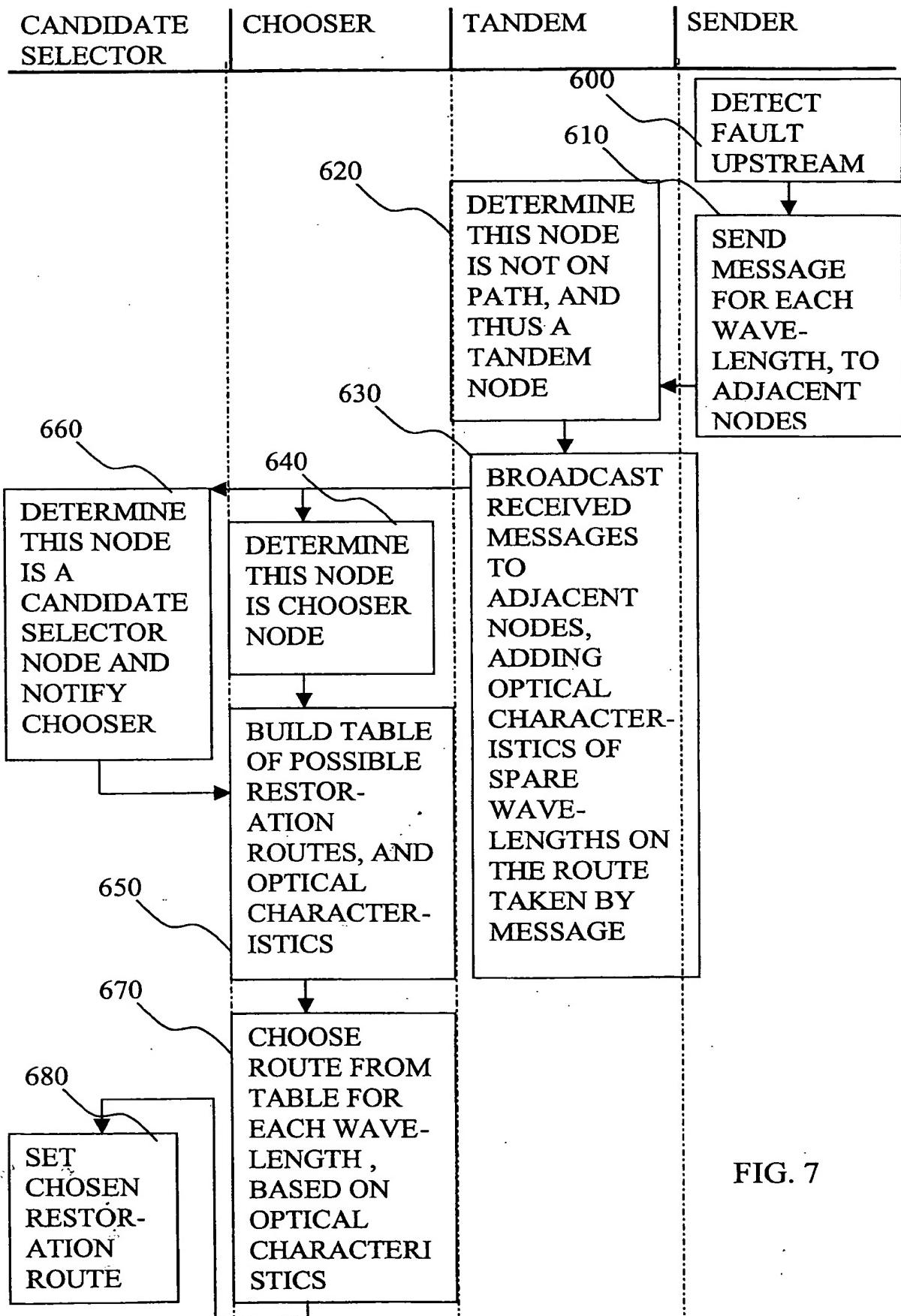


FIG. 7

FIG. 8

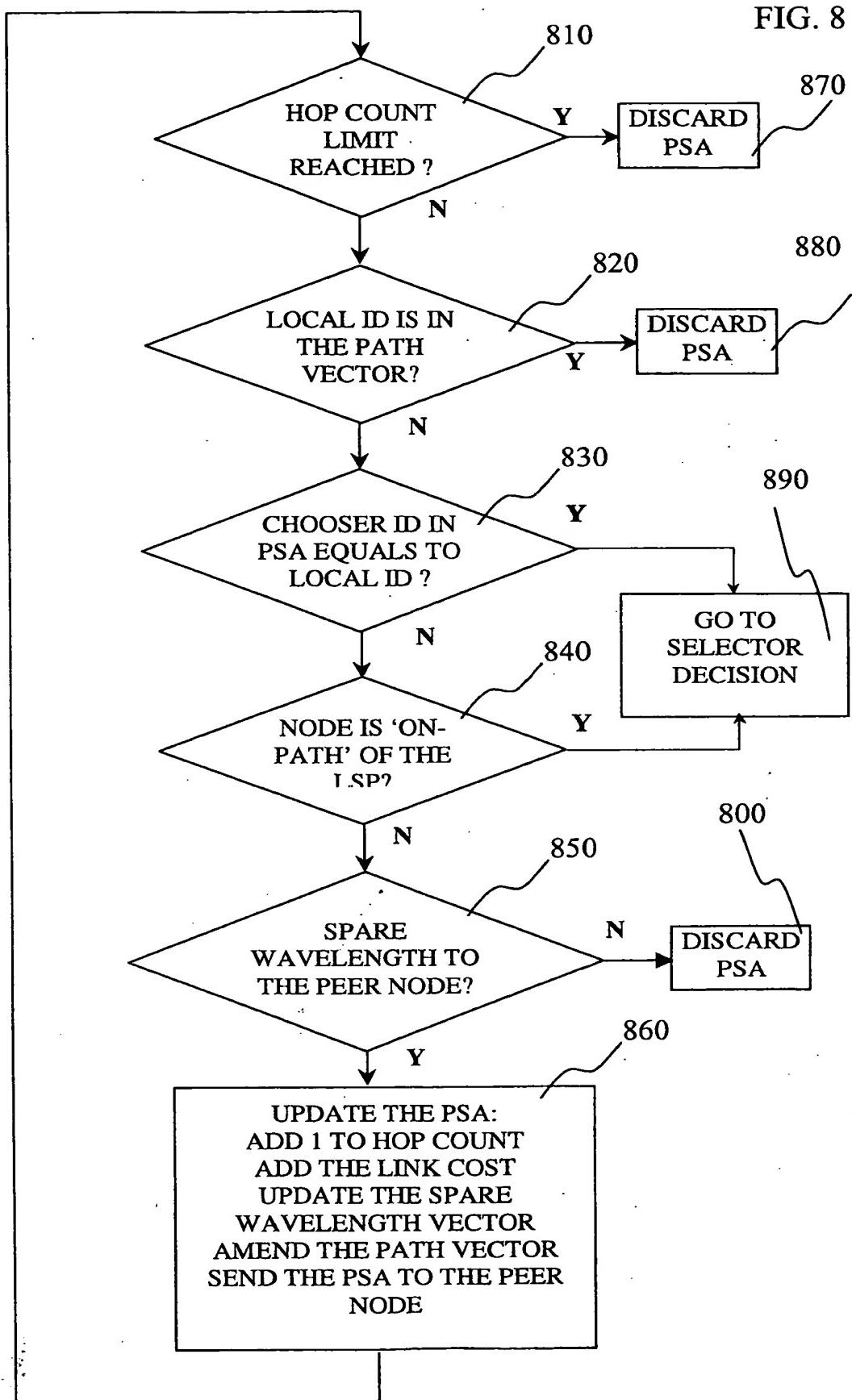
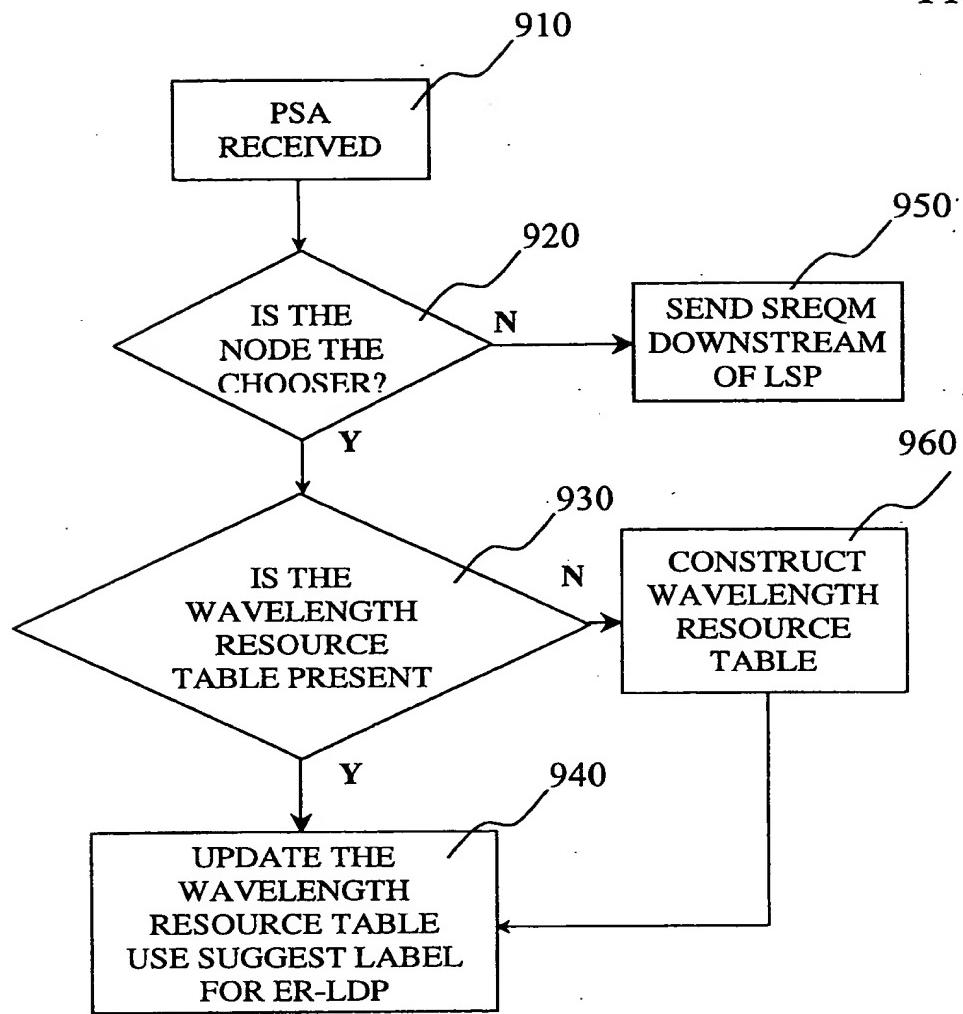


FIG. 9



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FIG. 10

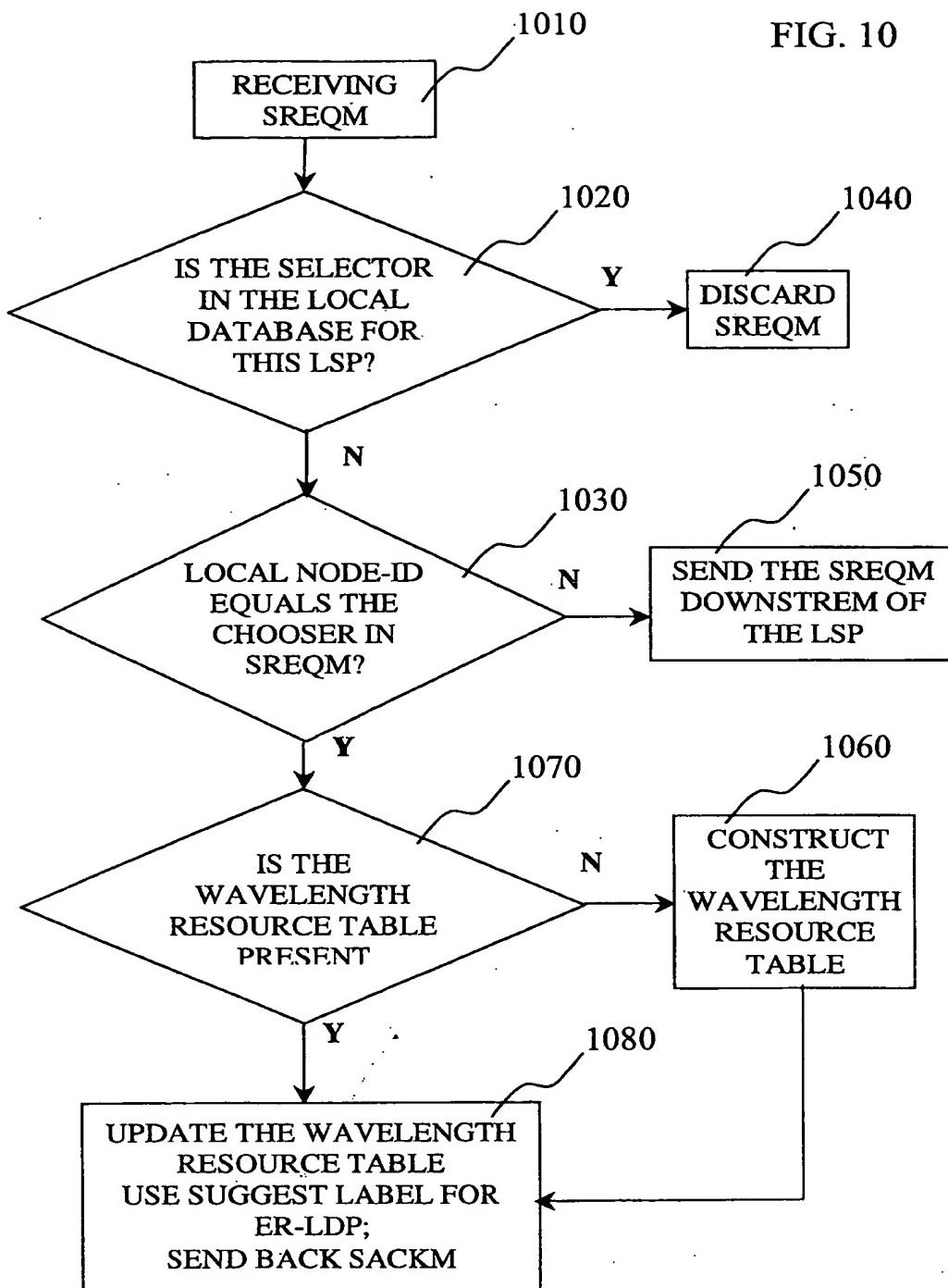
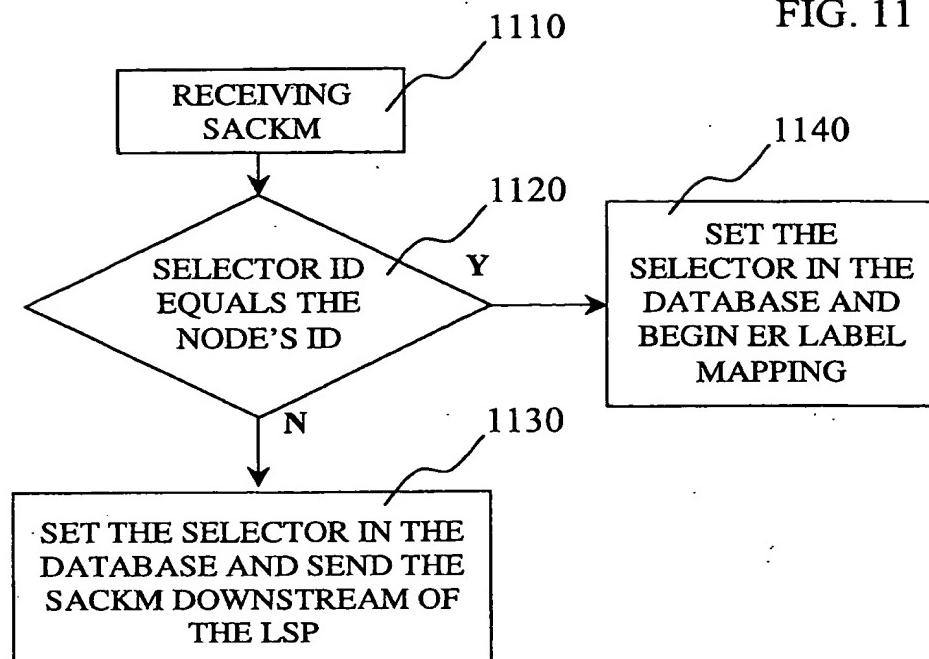


FIG. 11



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FIG. 12

